

***What is Claimed is:***

5 *What*

A dispersion comprising a liquid phase and a solid phase, wherein the solid phase comprises a pyrogenic oxide, and wherein said pyrogenic oxide:

- a) is doped with one or more doping components; and
- b) has a BET surface area of between 5 and 600 m<sup>2</sup>/g.

2. The dispersion of claim 1, wherein said pyrogenic oxide is silica.

10 3. The dispersion of claim 1, wherein said liquid phase is water.

4. The dispersion of any one of claims 1-3, wherein said pyrogenic oxide is prepared by the method of flame hydrolysis or flame oxidation.

15 5. The dispersion of any one of claims 1-3, wherein said pyrogenic oxide is doped using an aerosol.

6. The dispersion of any one of claims 1-3, wherein said pyrogenic oxide is doped with aluminum oxide.

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7. The dispersion of any one of claims 1-3, wherein the amount of doped material in said pyrogenic oxide is between 1 and 200,000 ppm.

25 8. The dispersion of claim 6, wherein the amount of doped material in said pyrogenic oxide is between 1 and 200,000 ppm.

9. The dispersion of claim 8, wherein said doped material is applied as a salt or a salt mixture.

30 10. The dispersion of any one of claims 1-3, wherein the solid phase in the dispersion is present in a proportion by weight of between 0.001 and 80 wt.%.

11. The dispersion of claim 6, wherein the solid phase in the dispersion is present in a proportion by weight of between 0.001 and 80 wt.%.  
12. A process for preparing a dispersion according to claim 1, comprising:  
5 a) mixing a doped pyrogenic oxide with a liquid; and  
b) milling the mixture produced in step a).  
13. The process of claim 12, wherein said liquid is water and said pyrogenic oxide is silica.  
10 14. The process of claim 12, wherein said pyrogenic oxide is present in said liquid in a proportion by weight of between 0.001 and 80 wt.%.  
15 15. The process of claim 12, wherein said milling procedure is performed using a ball mill.  
16 16. The process of claim 12, wherein said milling procedure is performed using a pearl mill.  
20 17. The process of claim 12, wherein said milling procedure is performed using a high pressure milling mixture.  
18. A coating mixture for an inkjet paper or inkjet film comprising the dispersion of claim 1.